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OW protein - protein search, using sw model

Run on: December 19, 2002, 15:01:38 ; Search time 12 seconds

(Without alignments)
792.077 Million cell updates/sec

Title: US-08-813-323B-1

Perfect score: 2994
Sequence: 1 MESSKKMDAGTLQNPPLK.....IKDDTIFIVYDTSPLDP 567

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 10657 seqs, 16763532 residues

Total number of hits satisfying chosen parameters: 106657

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Listing first 45 summaries

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14: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	2987	99.8	566	US-08-813-323A-1	Sequence 1, Appl1
2	2886.5	96.4	568	US-08-813-323A-2	Sequence 2, Appl1
3	2710	90.5	543	US-09-757-041-2	Sequence 2, Appl1
4	2102.5	70.2	438	US-09-950-902-2	Sequence 2, Appl1
5	1613	53.9	347	US-09-950-902-4	Sequence 4, Appl1
6	204	6.8	43	US-09-981-289-4	Sequence 4, Appl1
7	204	6.8	43	US-09-981-289-4	Sequence 4, Appl1
8	186.5	6.2	72	US-09-864-761-3393	Sequence 3393, A
9	150	5.0	658	US-09-764-864-818	Sequence 818, App
10	146	4.9	563	US-09-764-864-1277	Sequence 1277, Ap
11	144	4.8	185	US-09-949-842-19	Sequence 19, Appl1
12	142	4.7	232	US-09-998-667-1	Sequence 1, Appl1
13	133.5	4.5	2053	US-10-017-216-2	Sequence 7, Appl1
14	133	4.4	239	US-09-998-667-7	Sequence 7, Appl1
15	131.5	4.4	1641	US-10-017-216-5	Sequence 5, Appl1
16	131.5	4.4	503	US-09-764-864-835	Sequence 835, App
17	131.5	4.4	1958	US-10-028-946-4	Sequence 4, Appl1
18	131.5	4.4	2054	US-10-028-946-2	Sequence 2, Appl1
19	131.5	4.4	2139	US-09-727-384-6	Sequence 6, Appl1

20	129	4.3	245	10	US-09-998-667-9	Sequence 9, Appl1
21	127.5	4.3	343	10 <td>US-09-908-988B-6</td> <td>Sequence 6, Appl1</td>	US-09-908-988B-6	Sequence 6, Appl1
22	127	4.2	285	10 <td>US-09-764-864-841</td> <td>Sequence 841, App</td>	US-09-764-864-841	Sequence 841, App
23	126.5	4.2	829	10 <td>US-09-946-805-8</td> <td>Sequence 8, Appl1</td>	US-09-946-805-8	Sequence 8, Appl1
24	125.5	4.2	412	10 <td>US-09-925-300-1669</td> <td>Sequence 1669, Ap</td>	US-09-925-300-1669	Sequence 1669, Ap
25	125	4.2	1663	9 <td>US-09-734-672-2</td> <td>Sequence 2, Appl1</td>	US-09-734-672-2	Sequence 2, Appl1
26	125	4.2	1863	9 <td>US-09-734-672-4</td> <td>Sequence 4, Appl1</td>	US-09-734-672-4	Sequence 4, Appl1
27	125	4.2	1863	9 <td>US-09-734-672-6</td> <td>Sequence 6, Appl1</td>	US-09-734-672-6	Sequence 6, Appl1
28	124.5	4.2	677	10 <td>US-09-745-763-168</td> <td>Sequence 168, App</td>	US-09-745-763-168	Sequence 168, App
29	124.5	4.2	1138	10 <td>US-09-767-215-5</td> <td>Sequence 5, Appl1</td>	US-09-767-215-5	Sequence 5, Appl1
30	124	4.1	2055	9 <td>US-10-017-216-4</td> <td>Sequence 4, Appl1</td>	US-10-017-216-4	Sequence 4, Appl1
31	122.5	4.1	600	10 <td>US-09-975-901-2</td> <td>Sequence 2, Appl1</td>	US-09-975-901-2	Sequence 2, Appl1
32	122	4.1	228	10 <td>US-09-998-667-8</td> <td>Sequence 8, Appl1</td>	US-09-998-667-8	Sequence 8, Appl1
33	122	4.1	231	10 <td>US-09-925-301-1306</td> <td>Sequence 1306, Ap</td>	US-09-925-301-1306	Sequence 1306, Ap
34	122	4.1	231	10 <td>US-09-764-864-837</td> <td>Sequence 837, App</td>	US-09-764-864-837	Sequence 837, App
35	122	4.1	231	10 <td>US-09-764-864-1292</td> <td>Sequence 1292, Ap</td>	US-09-764-864-1292	Sequence 1292, Ap
36	121.5	4.1	629	10 <td>US-09-833-790-429</td> <td>Sequence 429, App</td>	US-09-833-790-429	Sequence 429, App
37	120	4.0	1597	9 <td>US-10-017-216-6</td> <td>Sequence 6, Appl1</td>	US-10-017-216-6	Sequence 6, Appl1
38	119.5	4.0	366	10 <td>US-09-764-864-808</td> <td>Sequence 808, App</td>	US-09-764-864-808	Sequence 808, App
39	119.5	4.0	435	10 <td>US-09-866-582-33</td> <td>Sequence 33, Appl1</td>	US-09-866-582-33	Sequence 33, Appl1
40	119	4.0	1239	12 <td>US-10-007-805-577</td> <td>Sequence 577, App</td>	US-10-007-805-577	Sequence 577, App
41	118	3.9	708	10 <td>US-09-764-864-954</td> <td>Sequence 954, App</td>	US-09-764-864-954	Sequence 954, App
42	118	3.9	945	10 <td>US-09-745-763-191</td> <td>Sequence 191, App</td>	US-09-745-763-191	Sequence 191, App
43	118	3.9	1175	10 <td>US-09-771-161A-224</td> <td>Sequence 224, App</td>	US-09-771-161A-224	Sequence 224, App
44	118	3.9	1175	10 <td>US-09-771-161A-225</td> <td>Sequence 225, App</td>	US-09-771-161A-225	Sequence 225, App
45	118	3.9	1175	10 <td>US-09-771-161A-226</td> <td>Sequence 226, App</td>	US-09-771-161A-226	Sequence 226, App

ALIGNMENTS

RESULT 1
US-08-813-323A-1
Sequence 1, Application US/08813323A
Patent No. US20020031522A1
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAF1 INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 391-0525
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: Peptide

FEATURE:
NAME/KEY: Peptide
LOCATION: 1..566
US-08-813-323A-1

Query Match 99.8%; Score 2987; DB 8; Length 566;
Best Local Similarity 100.0%; Pred. No. 1,3e-208;
Matches 566; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSKKMDAAGTLQNPPLKLPDRGAGSVLVEGQYKKEFKVYEDKYYCKECLVLC 60
D 1 MESSKKMDAAGTLQNPPLKLPDRGAGSVLVEGQYKKEFKVYEDKYYCKECLVLC 60
QY 61 NPKQTEGHRFCESCAALLSSSPKCTACQESIIKDKYFKDMCKCKREIIALQVYCRNG 120
D 61 NPKQTEGHRFCESCAALLSSSPKCTACQESIIKDKYFKDMCKCKREIIALQVYCRNG 120
QY 121 RGAEOULTLGLVHLKNECOFEELPCLRADCKEKLKRDLRDHYEKACKYREATCSHC 180
D 121 RGAEOULTLGLVHLKNECOFEELPCLRADCKEKLKRDLRDHYEKACKYREATCSHC 180
QY 181 SQVPMIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELHAHLSVCVNA PSTCSFKRYGCV 240
D 181 SQVPMIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELHAHLSVCVNA PSTCSFKRYGCV 240
QY 241 OGTHQOIKAHASSAVOHVNLKEMSNLSLEKYSLLQNESVEKNKSIQSLHNOICSEFEI 300
D 241 OGTHQOIKAHASSAVOHVNLKEMSNLSLEKYSLLQNESVEKNKSIQSLHNOICSEFEI 300
QY 301 IEROKEMLRNNESEKILHLQRYIDSOAEKLELDEKIRPFQONWEADSMKSSVESIQNRV 360
D 301 IEROKEMLRNNESEKILHLQRYIDSOAEKLELDEKIRPFQONWEADSMKSSVESIQNRV 360
QY 361 TELESVDKSAQAARNTGLLESQLSRHDQTLVSHDIRLADMDLRFVYLETASYNGVLIW 420
D 361 TELESVDKSAQAARNTGLLESQLSRHDQTLVSHDIRLADMDLRFVYLETASYNGVLIW 420
QY 421 IRDVKRRKQEAHVNGKTLSTLSQPFYTGFGYKMCARVYILNGDMGKTHLSLFEVIMRG 480
D 421 IRDVKRRKQEAHVNGKTLSTLSQPFYTGFGYKMCARVYILNGDMGKTHLSLFEVIMRG 480
QY 481 YDALLPMPFKOKVTLMLMDGSSRRHLGDAFKPPDNSSFKKPTGEMNIASGCPVEVAQ 540
D 481 YDALLPMPFKOKVTLMLMDGSSRRHLGDAFKPPDNSSFKKPTGEMNIASGCPVEVAQ 540
QY 541 VLENGTYIKDDTIFIKYIVDTSLDP 566
D 541 VLENGTYIKDDTIFIKYIVDTSLDP 566

RESULT 2
US-08-813-323A-2
Sequence 2, Application US/08813323A
Patent No. US20020031522A1
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAFT INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..568
US-08-813-323A-2

Query Match 96.4%; Score 2886.5; DB 8; Length 568;
Best Local Similarity 96.1%; Pred. No. 2.5e-201;
Matches 546; Conservative 7; Mismatches 14; Indels 1; Gaps 1;

QY 1 MESSKKMDAAGTLQNPPLKLPDRGAGS-VLVEGQYKKEFKVYEDKYYCKECLVLC 59
D 1 MESSKKMDSPGALQNPPLKLTHTDSAGTPVFPVPGQYKKEFKVYEDKYYCKECLVLC 60
QY 60 CNPKQTEGHRFCESCAALLSSSPKCTACQESIIKDKYFKDMCKCKREIIALQVYCRNE 119
D 61 CSBKQTEGHRFCESCAALLSSSPKCTACQESIIKDKYFKDMCKCKREIIALQVYCRNE 120
QY 120 GRCAEOULTLGLVHLKNECOFEELPCLRADCKEKLKRDLRDHYEKACKYREATCSHC 179
D 121 SRCAEOULTLGLVHLKNECOFEELPCVRDCKEKLKRDLRDHYEKACKYREATCSHC 180
QY 180 KSQVPMIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELHAHLSVCVNA PSTCSFKRYGCV 239
D 181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVOTLLRSELHAHLSVCVNA PSTCSFKRYGCV 240
QY 240 FGTHQOIKAHASSAVOHVNLKEMSNLSLEKYSLLQNESVEKNKSIQSLHNOICSEFEI 299
D 241 FGTHQOIKAHASSAVOHVNLKEMSNLSLEKYSLLQNESVEKNKSIQSLHNOICSEFEI 300
QY 300 IEROKEMLRNNESEKILHLQRYIDSOAEKLELDEKIRPFQONWEADSMKSSVESIQNR 359
D 301 IEROKEMLRNNESEKILHLQRYIDSOAEKLELDEKIRPFQONWEADSMKSSVESIQNR 360
QY 360 VTELESVDKSAQAARNTGLLESQLSRHDQTLVSHDIRLADMDLRFVYLETASYNGVLIW 419
D 361 VTELESVDKSAQAARNTGLLESQLSRHDQTLVSHDIRLADMDLRFVYLETASYNGVLIW 420
QY 420 KIRDYKRRKQEAHVNGKTLSTLSQPFYTGFGYKMCARVYILNGDMGKTHLSLFEVIMRG 479
D 421 KIRDYKRRKQEAHVNGKTLSTLSQPFYTGFGYKMCARVYILNGDMGKTHLSLFEVIMRG 480
QY 480 EYDALLPMPFKOKVTLMLMDGSSRRHLGDAFKPPDNSSFKKPTGEMNIASGCPVEVAQ 539
D 481 EYDALLPMPFKOKVTLMLMDGSSRRHLGDAFKPPDNSSFKKPTGEMNIASGCPVEVAQ 540
QY 540 TVLENGTYIKDDTIFIKYIVDTSLDP 567
D 541 TVLENGTYIKDDTIFIKYIVDTSLDP 568

RESULT 3
US-09-757-041-2
Sequence 2, Application US/09757041
Patent No. US20020009726A1

GENERAL INFORMATION:
APPLICANT: Reed, John C.
TITLE OF INVENTION: CD40 Associated Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/757,041
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/349,357
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1203
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-757-041-2

Query Match 90.5%; Score 2710; DB 10; Length 543;
Best Local Similarity 91.4%; Pred. No. 1.3e-188;
Matches 519; Conservative 7; Mismatches 16; Indels 26; Gaps 2;

QY 1 MESSKKMDAGTLPNPPLKLPDRGAGS-VLVEPGGYKKEKFKVTEDEKCEKRLV 59
DB 1 MESSKKMDSPGALQTPPLKLTDRSAGTPVPEPGGYKKEKFKVTEDEKCEKRLV 60
QY 60 CNPKQTEGHRFCSCMAALLSSSPKCTACQESIIRKVFKNCCCKREILALQVYCRNE 119
DB 61 CSPKQTEGHRFCSCMAALLSSSPKCTACQESIIRKVFKNCCCKREILALQVYCRNE 120
QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 179
DB 121 SRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 180
QY 180 KSOVPMTIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELSAHLSECVNABSTCSFKRYGCV 239
DB 181 KSOVPMTIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELSAHLSECVNABSTCSFKRYGCV 217
QY 240 FQGTNOQIKAHASSAVQHVNLKEMNSLEKRVSLQNESVEKKNKSIOSLHNOICSEFI 299
DB 218 --GTNOQIKAHASSAVQHVNLKEMNSLEKRVSLQNESVEKKNKSIOSLHNOICSEFI 275
QY 300 EIEROKEMLRNNEKTLHLOVYIDSOAEKLELDEKIRPFQNNWEADSMKSSVESIQNR 359
DB 276 EIEROKEMLRNNEKTLHLOVYIDSOAEKLELDEKIRPFQNNWEADSMKSSVESIQNR 335
QY 360 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMDLRFQVLETAASYNGVLIN 419
DB 336 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMDLRFQVLETAASYNGVLIN 395
QY 420 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTSLSPFVIMRG 479

DB 396 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTSLSPFVIMRG 455
QY 480 EYDALLPMPFKOKVTLMIMDOGSSRRHLGDAFKDPNSSSKPTGEMNTASGCPVFAQ 539
DB 456 EYDALLPMPFKOKVTLMIMDOGSSRRHLGDAFKDPNSSSKPTGEMNTASGCPVFAQ 515
QY 540 TVLENGTYIKDDTIFIRVYVDTSDLPDP 567
DB 516 TVLENGTYIKDDTIFIRVYVDTSDLPDP 543

RESULT 4
US-09-950-902-2
Sequence 2, Application US/09950902
Patent No. US20020127615A1
GENERAL INFORMATION:
APPLICANT: The Trustees of Columbia University in the City of
TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF
FILE REFERENCE: 58732-A-PCF
CURRENT APPLICATION NUMBER: US/09/950,902
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06503
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/268,544
PRIOR FILING DATE: 1999-03-11
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 2
LENGTH: 438
TYPE: PRT
ORGANISM: Isolated TRAF-3 deletion isoform protein
US-09-950-902-2

Query Match 70.2%; Score 2102.5; DB 10; Length 438;
Best Local Similarity 72.9%; Pred. No. 8.6e-145;
Matches 415; Conservative 7; Mismatches 14; Indels 133; Gaps 4;

QY 1 MESSKKMDAGTLPNPPLKLPDRGAGS-VLVEPGGYKKEKFKVTEDEKCEKRLV 59
DB 1 MESSKKMDSPGALQTPPLKLTDRSAGTPVPEPGGYKKEKFKVTEDEKCEKRLV 60
QY 60 CNPKQTEGHRFCSCMAALLSSSPKCTACQESIIRKVFKNCCCKREILALQVYCRNE 119
DB 61 CSPKQTEGHRFCSCMAALLSSSPKCTACQESIIRKVFKNCCCKREILALQVYCRNE 120
QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 179
DB 121 SRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 180
QY 180 KSOVPMTIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELSAHLSECVNABSTCSFKRYGCV 239
DB 181 KSOVPMTIKLQKHEDTDCPCVVVSCPHKCSVOTLLRSELSAHLSECVNABSTCSFKRYGCV 188
QY 240 FQGTNOQIKAHASSAVQHVNLKEMNSLEKRVSLQNESVEKKNKSIOSLHNOICSEFI 299
DB 189 -----LQHVYIDSOAEKLELDEKIRPFQNNWEADSMKSSVESIQNR 188
QY 300 EIEROKEMLRNNEKTLHLOVYIDSOAEKLELDEKIRPFQNNWEADSMKSSVESIQNR 359
DB 189 -----LQHVYIDSOAEKLELDEKIRPFQNNWEADSMKSSVESIQNR 230
QY 360 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMDLRFQVLETAASYNGVLIN 419
DB 231 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMDLRFQVLETAASYNGVLIN 290
QY 420 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTSLSPFVIMRG 478
DB 291 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTSLSPFVIMRG 349
QY 479 GEYDALLPMPFKOKVTLMIMDOGSSRRHLGDAFKDPNSSSKPTGEMNTASGCPVFA 538
DB 350 GEYDALLPMPFKOKVTLMIMDOGSSRRHLGDAFKDPNSSSKPTGEMNTASGCPVFA 409

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QY      539 QTVLENGTYIKDDTIFIKIVIVDTSLLPDP 567  
         |||||  
Db      410 QTVLENGTYIKDDTIFIKIVIVDTSLLPDP 438
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RESULT 5
 US-09-950-902-4
 : Sequence 4, Application US/09950902
 : Patent No. US20020127615A1
 : GENERAL INFORMATION:
 : APPLICANT: The Trustees of Columbia University in the City of
 : TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF
 : FILE REFERENCE: 58132-A-PCT
 : CURRENT APPLICATION NUMBER: US/09/950, 902
 : CURRENT FILING DATE: 2001-09-10
 : PRIOR APPLICATION NUMBER: PCT/US00/06503
 : PRIOR FILING DATE: 2000-03-10
 : PRIOR APPLICATION NUMBER: 09/266, 544
 : PRIOR FILING DATE: 1999-03-11
 : NUMBER OF SEQ ID NOS: 14
 : SOFTWARE: PatentIn Ver. 2.1
 : SEQ ID NO 4
 : LENGTH: 347
 : TYPE: PRT
 : ORGANISM: isolated TRAF-3 deletion isoform protein
 : US-09-950-902-4

Query Match	53.9%;	Score 1613;	DB 10;	Length 347;
Best Local Similarity	58.5%;	Pred. No. 1.6e-109;		
Matches 332; Conservative	4;	Mismatches 10;	Indels 222;	Gaps 2

QY	1	MESSKMDAAGTJLOPNPPLKJLOPRGAS--VLVEBOGQYKFKVJVEBDKYCEKCRJVL	59
Db	1	MESSKMDSPGALQTNPPKLKHTDRASAGTVLPVPEBOGQYKFKVJVEBDKYCEKCHJVL	60
QY	60	CNPKQTEGCHRFCESCMAALLSSSPKCTAOSESITKDKVFKNCCREJIALOYCRNE	119
Db	61	CSPKQTEGCHRFCESCMAALLSSSPKCTAOSESITYDK-----	99
QY	120	GRGCAEQLTLGHLVLHNECQFELBPCJLADCKEYLRKDLRDHXYAKCYREATCSHC	1797
Db	100	-----	99
QY	180	KSOVPMKILQKHEDTDCPVVSCPHKCSVOYLLRSELSAHLSECYNAPSTCSFKRYGCV	2399
Db	100	-----	99
QY	240	FQSTNOQIKAEHASSAVQHVNLKEMWNSLEKKVSLLOÑESVEYKKNKSTQSLHQCSPEI	2999
Db	100	-----	99
QY	300	EIEROKEMLRNESHILHLOVYIDSOAEKLEJLDEKIEIRPFQONWEADSMKSVSYSLONR	3599
Db	100	-----RVIDSOAEKLEJLDEKIEIRPFQONWEADSMKSVSYSLONR	1399
QY	360	VPELESVDKSAGQARNRTGLESLSHRDQTVLSVHDIRLADMDLRFQVLEFASVNGVLIW	4199
Db	140	VPELESVDKSAQVARNRTGLESLSHRDQTVLSHDIRLADMDLRFQVLEFASVNGVLIW	1999
QY	420	KIRDYKRRKOEAVMKCTLSTLSPQFYGYGYKMCARAVLNDGDKGKSTHTLSLFVIMRG	4799
Db	200	KIRDYKRRKOEAVMKCTLSTLSPQFYGYGYKMCARAVLNDGDKGKSTHTLSLFVIMRG	2599
QY	480	EYDALLPWFQKQVYTLMLMDGSSRRHLGDAEFPDNPSSFFKPLGEMNIIASGCPVFAO	5399
Db	260	EYDALLPWFQKQVYTLMLMDGSSRRHLGDAEFPDNPSSFFKPLGEMNIIASGCPVFAO	3199
QY	540	TVLENGTYIKDPTIFIKYIVDTSJLDPDP	567
Db	320	TVLENGTYIKDPTIFIKYIVDTSJLDPDP	347
RESULT 6			

RESULT 6

US-09-798-789-4
Sequence 4, Application US/09798789
Patent No. US20020009780A1
GENERAL INFORMATION:
APPLICANT: Bahiyat, Bassil
TITLE OF INVENTION: FILKOV, Anton
TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA
TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
FILE REFERENCE: A-68990-1/RFT/RMS/RMK
CURRENT APPLICATION NUMBER: US/09/798,789
CURRENT FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: US 60/186,427
PRIOR FILING DATE: 2000-03-02
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 4
LENGTH: 43
TYPE: PRT
ORGANISM: Homo sapiens
US-09-798-789-4

Query Match	6.8%	Score 204	DB 10	Length 43
Best Local Similarity	97.6%	Pred. No. 8.3e-09		
Matches 41; Conservative	0	Mismatches 1	Indels 0	Gaps 0

QY 374 ARNGLLEEQSLSRDQITLSVHDIRLADMDLRQVLETASYNG 415
Db 2 ARNGLLESQSLSRDQITSVHDIRLADMDLRQVLETASYNG 43

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RESULT 7
US-09-981-289-4
; Sequence 4, Application US/09981289
; Patent No. US20020110868A1
; GENERAL INFORMATION:
; APPLICANT: Dahiya, Bassil I.
; APPLICANT: Filikov, Anton
; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT
; FILE REFERENCE: A-68990-3/RET/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/981,289
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 09/945,150
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 09/798,789
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-981-289-4

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Query Match	6.88;	Score 204;	DB 10;	Length 43;
Best Local Similarity	97.68;	Pred. No. 8.3e-09;		
Matches 41;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 374 ARNTGLLEBQSLSRHDDQTSVHDIRLADMDLRQVLETSYNG 415
 |||||
 Db 2 ARNTGLLEBQSLSRHDDQTSVHDIRLADMDLRQVLETSYNG 43

RESULT 8
US-09-864-761-33993
; Sequence 33993, Application US/09864761
; Patent No. US20020048765A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.


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? PRIOR FILING DATE: 2001-03-07
? PRIOR APPLICATION NUMBER: 60/224,367
? PRIOR FILING DATE: 2000-08-11
? PRIOR APPLICATION NUMBER: 60/187,873
? PRIOR FILING DATE: 2000-03-08
? NUMBER OF SEQ ID NOS: 26
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 19
? LENGTH: 185
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-949-842-19

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	Query Match	4.9%	Score 146:	DB 10:	Length 563:
	Best Local Similarity	21.28%	Pred. No.	0.0034:	
	Matches 61:	Conservative 52:	Mismatches 91:	Indels 84:	Gaps 14:
OY	50 YKCEKRLVLCNPKQTEGSHRFECSCMAALLSSSPKCTACQESIIRDKVFKNCKRRI	109			
Dd	302 FECSLIMRFEFFEVTPTRCGHSPCKNCLECRCL-DIAPRYPLCKESL-----KEV	348			
OY	110 LALQVCVRNEGRCQAEOULTGLHLVLHNQGFELPCLRADCKEKLRLDLDHYEKAC	169			
Dd	349 LA-----DRRCVTQLL-----ELLTAYLPDELSEKK	376			
OY	170 K-YREATC--SHCKSQPR-IKLOKHEDTDPCRVAVSOPHKCSVOYLTLRSLSAHLSECV	225			
Dd	377 KIYDEETABLSHLTNNVPFLFVCTAAVPTVPCRPLHFEPFRMLMRISIQTG-KPGCMGV	435			
OY	226 NAPTSCSFKRQCVCFQGTNOOIKAHBAASVAQHNLKEWNSNLE-----RKVSLLONESV	281			
Dd	436 SDTON-SFADYGCMDL-----LRNHFLPDGRSAVDYVGKRRFVULK----	476			
OY	282 EKKKSIOSLHNOICSFELIEIEROKEMLRNNESKLIHLQRYID---SOA	326			
Dd	477 -----RGKKDIQCT-ADIETLDVVAYVEDEKTKLNRLRELAHDLVYSOA	516			

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RESULT 12
US-09-998-667-1
; Sequence 1, Application US/09998667
; Patent No. US20020146747A1
; GENERAL INFORMATION:
; APPLICANT: Masuda, Esteban
; APPLICANT: Liao, X. Charlene
; APPLICANT: Zhao, Haoran
; APPLICANT: Chu, Peter
; APPLICANT: Pardo, Jorge
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: TRAC1: Modulators of Lymphocyte Activation
; FILE REFERENCE: 021044-000600US
; CURRENT APPLICATION NUMBER: US/09/998,667
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: US 60/282,432
; PRIOR FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human wild-type TRAC1 (FLJ20456)
; US-09-998-667-1

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Query Match 4.7%; Score 142; DB 10; Length 232;
Best local Similarity 24.28; Pred. No. 0.0021;
Matches 45; Conservative 22; Mismatches 73; Indels 46; Gaps 4;

QY 50 YKCEKRLVLCNPKOTEGHRCFSCMAALLSSSPKCTACQESIIKKYKFNCKREI 109
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 35 FPCANCLEVLPQPTKRGHVFRCSCIAISLKNKKWTCYCRALYPSGCVATDVAKR-- 92
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 110 LALQVYCNNEGRCGAQEQTLTGLHLVHLKNCQPEELPCLRADCKEKYKLRDQVHEAC 169
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 93 -----MSEYKKNAA-----CDTLVGLSMDRAHIRTQ 120
   | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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QY 170 KYREATGCHCKSQVPMIKLQKHEDTDCPCVYVSCPHKCSVQTLRLSELNHLSECVNAPS 229
 DB 121 KYID-----KYGFLQLEETLTAARCVCPFCQRELYEDSLDHCITIHNRSE--RRPV 168
 QY 230 TCSEFR 235
 DB 169 FCPICR 174

RESULT 13

US-10-017-216-2
 : Sequence 2, Application US/10017216
 : Patent No. US20020160483A1

: GENERAL INFORMATION:
 : APPLICANT: KAPELLER-LIBERMANN, Rosana

: TITLE OF INVENTION: 13245, A No. US20020160483A1el Human Myotonic Dystrophy Type Prot

: TITLE OF INVENTION: Kinase and Uses Therefor

: FILE REFERENCE: 10147-5701

: CURRENT APPLICATION NUMBER: US/10/017,216

: PRIOR APPLICATION NUMBER: US 60/242,429

: PRIORITY FILING DATE: 2001-10-23

: NUMBER OF SEQ ID NOS: 7

: SOFTWARE: PatentIn Ver. 2.1

: SEQ ID NO 2

: LENGTH: 2053

: TYPE: PRT

: ORGANISM: Homo sapiens

US-10-017-216-2

Query Match 4.58; Score 133.5; DB 9; Length 2053;
 Best Local Similarity 22.48; Pred. No. 0.14;

Matches 104; Conservative 77; Mismatches 154; Indels 129; Gaps 23;

QY 1 MESSKMDAAGTLPNPPLKLPDRGAGSVLPEOGGYEKEFKVTEDEKCKECLVLC 60
 DB 526 MEVSQEDDKA-----LQLLHD-----IREQ-SRLQETIKQETQAOVEEMRLMMN 569
 QY 61 NPROTECGHR-----FCSCMAALLSSSPKCTACQESIIKDKYFKDNCCKREILA 111
 DB 570 QLEEDLVSAARRSDLYESELRESRLA--EEFKRKATECQHKLAK-----614
 QY 112 LQVYCNREGSCAEQTLGLHLVHLKNEQCFEELPCLRADCKEKVLRKDLRDHYEKACKY 171
 DB 615 -----DQCK-----PEVGEYAKLEKINAEQOLKI--OELQEKLEKAKE 651
 QY 172 REATGCHCKSQVPMIKLQKHEDTDCPCVYVSCPHKCSVQTLRLSELNHLSECVNAPS 230
 DB 652 R-----AERELEKIQHREDS-----EGIRKILVEAERHSHLEKNYKLEET 693
 QY 231 CSFK--RYGCVFOGNNQOI-----KAHSAASAVOHVNL-LKEMSNSLEKRVSL 275
 DB 694 MERREKRLADDTQTSQOIQOMADKILEEKNHREAOVSACHLEVHLKQKQOHYEERIKY 753
 QY 276 LONESYENKKSIOSLHNOJCSFEIE-----IEROKEMLRNNSKILHL-ORVID-SQA 326
 DB 754 LNOQIKDLADKETLENMQRREEEAHKKILISQKAMIANDSKIRSLRQRIVELSEA 813
 QY 327 EKL-----KELDKETRPROMWEADSKSSVESILQNRVTELESVDKSAQO-- 372
 DB 814 NTLAANSLFTQGRMKKAEEMISELRQOKFYLETQACGLEA-QNRKLE-EQLKELISQDH 871
 QY 373 AARN-----TGLLESQLSRHDQTLVSDIRLADMDLRFQVLET 410
 DB 872 SDKNRLLELETRLRVSLHEHEQKLELR-QTLEQLSLQERES 914

RESULT 14

US-09-998-667-7

: Sequence 7, Application US/09998667

: Patent No. US20020146747A1

: GENERAL INFORMATION:

: APPLICANT: Masuda, Esteban

: APPLICANT: Liao, X. Charlene

: APPLICANT: Zhao, Haoran

: APPLICANT: Chu, Peter

: APPLICANT: Pardo, Jorge

: APPLICANT: Rigol Pharmaceuticals, Incorporated

: TITLE OF INVENTION: TRAC1 Modulators of Lymphocyte Activation

: FILE REFERENCE: 021044-00060005

: CURRENT APPLICATION NUMBER: US/09/998,667

: PRIORITY FILING DATE: 2001-12-03

: PRIOR APPLICATION NUMBER: US 60/282,432

: NUMBER OF SEQ ID NOS: 18

: SOFTWARE: PatentIn Ver. 2.1

: SEQ ID NO 7

: LENGTH: 239

: TYPE: PRT

: ORGANISM: Mus sp.

: FEATURE:

: OTHER INFORMATION: mouse TRAC1 protein (3rd frame)

: NAME/KEY: MOD_RES

: LOCATION: (3)

: OTHER INFORMATION: Xaa = Arg or Ser

: NAME/KEY: MOD_RES

: LOCATION: (4)

: OTHER INFORMATION: Xaa = Met, Val or Leu

US-09-998-667-7

Query Match 4.48; Score 133; DB 10; Length 239;
 Best Local Similarity 23.38; Pred. No. 0.0099;

Matches 52; Conservative 27; Mismatches 78; Indels 66; Gaps 8;

QY 2 ESSKMDAAGTLPNPPLKLPDRGAGSVLPEOGGYEKEFKVTEDEKCKECLVLCN 61
 DB 11 DSSKSPASAT-----PRTL-----ERSGDSLEPLTS----FDSVCLVLIHQ 49
 QY 62 PROTEGHRFCSCMAALLSSSP-KCTACQESIIKDKYFKDNCCKREILAQVYCRNEG 120
 DB 50 PVATRGHVFHCSCINTSTKNNMKTCPCYCRAYLPSEGVPAITDIAR-----MKSEY 101
 QY 121 RGCAEQLTGLHLVHLKNEQCFEELPCLRADCKEKVLRKDLRDHYEKACKYREATGCHCK 180
 DB 102 QNCAE-----CGTLYCLSDMRHIRTCEKIID-----128
 QY 181 SQVPMIKLQKHEDTDCPCVYVSCPHKCSVQTLRLSELNHLSECVNAPS 223
 DB 129 KYGFLLEL--GDTTARCVCPFCQRELYEDSLDHCITIHNRSE 168

RESULT 15

US-10-017-216-5
 : Sequence 5, Application US/10017216
 : Patent No. US20020160483A1

: GENERAL INFORMATION:

: APPLICANT: KAPELLER-LIBERMANN, Rosana

: TITLE OF INVENTION: 13245, A No. US20020160483A1el Human Myotonic Dystrophy Type P

: TITLE OF INVENTION: Kinase and Uses Therefor

: FILE REFERENCE: 10147-5701

: CURRENT APPLICATION NUMBER: US/10/017,216

: PRIOR APPLICATION NUMBER: US 60/242,429

: PRIORITY FILING DATE: 2001-10-23

: NUMBER OF SEQ ID NOS: 7

: SOFTWARE: PatentIn Ver. 2.1

: SEQ ID NO 5

: LENGTH: 1641

: TYPE: PRT

: ORGANISM: Mus musculus

US-10-017-216-5

Query Match 4.48; Score 133; DB 9; Length 1641;
 Best Local Similarity 23.78; Pred. No. 0.11;

Matches 94; Conservative 64; Mismatches 137; Indels 102; Gaps 22;

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QY 73 ESCMAALLSSSPKCTACQES--IIRKVRKDN---CCREIILALQYCCNBRGCAEQL 127
Db 59 ESVASSL---DSPAKVSSMEKLLIKSKELQDSQDKHME---QENTRLHRRVSEVEA 111
QY 128 TLGHLLVHLK-NECO---FELPCLRADC-----KEYLRKD-----LRDHVE 166
Db 112 VLSQKEVELKASETORSLLEDLATYITECSILKRSLEQARMEVSOEDDKALQLHDIRE 171
QY 167 KACKYREATCSHCKSQVPMIKL---QKHEDTDCPCVVVSCPHKCSV--QTLILSELSAHL 221
Db 172 QSRKLQEIKEQEQVQAVEMRLMMNQLEED-----LVSARRSDLYESELRESRLAA-- 223
QY 222 SECVAAPSTCSFKRYGCVFQGTNQ--QIKAHASSAVOHVNLKEMNSLEKKY----- 273
Db 224 EEFKRRRANCCOHKIMKAKDQGPVEGEYSKLEKINAEQOLK-IQELQEKLEKAVKASTEA 282
QY 274 -SILONESVEKNKS---IOSLHNQICSPF-----IEIEROKEMLRNNESKI-----LH 317
Db 283 TELONIRQAKRARERELEKILHNREDSSEGIKKLVEAELEL--KHREAQVSAQHLEVH 340
QY 318 LQRVIDSQAELKELDKETRP-----FRONWEPA-----DSMKSS 352
Db 341 LKQKEQHYEEKIKVLDNQIKKDLADKESLENNMORHEEAEHKGKILSEQAKMTNADSK 400
QY 353 VESLONRVTELESVDKSAQAA---RNTGLLESQLS 385
Db 401 IRSLEQRIYELSEANKLANSSSLFTORNMKAQEMIS 437

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Search completed: December 19, 2002, 15:05:39
 Job time : 15 secs